

## SEQUENCE LISTING

<110> MEDICAL AND BIOLOGICAL LABORATORIES CO., LTD.

<120> Method of isolating monocytes

<130> M3-A0307P

<150> JP 2004-018747

<151> 2004-01-27

<160> 6

<170> PatentIn version 3.1

<210> 1

<211> 669

<212> DNA

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<221> CDS

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gca cca tcc atc tcc ttg gtg ccc ccc tac cca agc agc cac gag gac 96  
Ala Pro Ser Ile Ser Leu Val Pro Pro Tyr Pro Ser Ser His Glu Asp  
20 25 30

ccc atc tac atc tcg tgc aca gcc cca ggg gac atc cta ggg gcc aat 144  
Pro Ile Tyr Ile Ser Cys Thr Ala Pro Gly Asp Ile Leu Gly Ala Asn  
35 40 45

ttt acc ctg ttc cga ggg gga gag gtg gtc cag cta cta cag gcc ccc	192
Phe Thr Leu Phe Arg Gly Gly Glu Val Val Gln Leu Leu Gln Ala Pro	
50 55 60	
tca gat cgg cct gat gta aca ttc aat gtg act ggt ggt ggc agt ggt	240
Ser Asp Arg Pro Asp Val Thr Phe Asn Val Thr Gly Gly Ser Gly	
65 70 75 80	
ggt ggc ggt gag gct ggg aac ttc tgc tgt caa tat ggt gtg	288
Gly Gly Glu Ala Ala Gly Gly Asn Phe Cys Cys Gln Tyr Gly Val	
85 90 95	
atg ggt gag cac agt cag ccc cag ctg tcg gac ttc agc cag cag gtg	336
Met Gly Glu His Ser Gln Pro Gln Leu Ser Asp Phe Ser Gln Gln Val	
100 105 110	
cag gtc tcc ttc cca gtc ccc acc tgg atc ttg gca ctc tcc ctg agc	384
Gln Val Ser Phe Pro Val Pro Thr Trp Ile Leu Ala Leu Ser Leu Ser	
115 120 125	
ctg gct gga gct gtg ctg ttc tca ggg ctg gtg gcc atc aca gtg ctg	432
Leu Ala Gly Ala Val Leu Phe Ser Gly Leu Val Ala Ile Thr Val Leu	
130 135 140	
gtg aga aaa gct aaa gcc aaa aac tta cag aag cag aga gag cgt gaa	480
Val Arg Lys Ala Lys Ala Lys Asn Leu Gln Lys Gln Arg Glu Arg Glu	
145 150 155 160	
tcc tgc tgg gct cag atc aac ttc acc aat aca gac atg tcc ttt gat	528
Ser Cys Trp Ala Gln Ile Asn Phe Thr Asn Thr Asp Met Ser Phe Asp	
165 170 175	
aac tct ctg ttt gct atc tcc acg aaa atg act cag gaa gac tca gtg	576
Asn Ser Leu Phe Ala Ile Ser Thr Lys Met Thr Gln Glu Asp Ser Val	
180 185 190	

gca acc cta gac tca ggg cct cgg aag agg ccc acc tct gca tca tcc 624  
 Ala Thr Leu Asp Ser Gly Pro Arg Lys Arg Pro Thr Ser Ala Ser Ser  
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Pro Ile Tyr Ile Ser Cys Thr Ala Pro Gly Asp Ile Leu Gly Ala Asn  
 35 40 45

Phe Thr Leu Phe Arg Gly Gly Glu Val Val Gln Leu Leu Gln Ala Pro  
 50 55 60

Ser Asp Arg Pro Asp Val Thr Phe Asn Val Thr Gly Gly Ser Gly  
 65 70 75 80

Gly Gly Gly Glu Ala Ala Gly Gly Asn Phe Cys Cys Gln Tyr Gly Val  
 85 90 95

Met Gly Glu His Ser Gln Pro Gln Leu Ser Asp Phe Ser Gln Gln Val  
 100 105 110

Gln Val Ser Phe Pro Val Pro Thr Trp Ile Leu Ala Leu Ser Leu Ser

115	120	125
Leu Ala Gly Ala Val Leu Phe Ser Gly Leu Val Ala Ile Thr Val Leu		
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Val Arg Lys Ala Lys Ala Lys Asn Leu Gln Lys Gln Arg Glu Arg Glu		
145	150	155
Ser Cys Trp Ala Gln Ile Asn Phe Thr Asn Thr Asp Met Ser Phe Asp		
165	170	175
Asn Ser Leu Phe Ala Ile Ser Thr Lys Met Thr Gln Glu Asp Ser Val		
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Ala Pro Ser Ile Ser Leu Val Pro Pro Tyr Pro Ser Ser His Glu Asp			
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ccc atc tac atc tcg tgc aca gcc cca ggg gac atc cta ggg gcc aat			144
Pro Ile Tyr Ile Ser Cys Thr Ala Pro Gly Asp Ile Leu Gly Ala Asn			
35	40	45	
ttt acc ctg ttc cga ggg gga gag gtg gtc cag cta cta cag gcc ccc			192
Phe Thr Leu Phe Arg Gly Gly Glu Val Val Gln Leu Leu Gln Ala Pro			
50	55	60	
tca gat cgg cct gat gta aca ttc aat gtg act ggt ggc agt ggt			240
Ser Asp Arg Pro Asp Val Thr Phe Asn Val Thr Gly Gly Ser Gly			
65	70	75	80
ggt ggc ggt gag gct gct ggg ggg aac ttc tgc tgt caa tat ggt gtg			288
Gly Gly Glu Ala Ala Gly Gly Asn Phe Cys Cys Gln Tyr Gly Val			
85	90	95	
atg ggt gag cac agt cag ccc cag ctg tcg gac ttc agc cag cag gtg			336
Met Gly Glu His Ser Gln Pro Gln Leu Ser Asp Phe Ser Gln Gln Val			
100	105	110	
cag gtc tcc ttc cca gct aaa gcc aaa aac tta cag aag cag aga gag			384
Gln Val Ser Phe Pro Ala Lys Ala Lys Asn Leu Gln Lys Gln Arg Glu			
115	120	125	
cgt gaa tcc tgc tgg gct cag atc aac ttc acc aat aca gac atg tcc			432
Arg Glu Ser Cys Trp Ala Gln Ile Asn Phe Thr Asn Thr Asp Met Ser			
130	135	140	
ttt gat aac tct ctg ttt gct atc tcc acg aaa atg act cag gaa gac			480
Phe Asp Asn Ser Leu Phe Ala Ile Ser Thr Lys Met Thr Gln Glu Asp			
145	150	155	160
tca gtg gca acc cta gac tca ggg cct cgg aag agg ccc acc tct gca			528
Ser Val Ala Thr Leu Asp Ser Gly Pro Arg Lys Arg Pro Thr Ser Ala			

	165	170	175	
tca tcc tct ccg gag ccc cct gag ttc agc act ttc cgg gcc tgc cag				576
Ser Ser Ser Pro Glu Pro Pro Glu Ser Thr Phe Arg Ala Cys Gln				
180	185	190		
tga				579
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Ala Pro Ser Ile Ser Leu Val Pro Pro Tyr Pro Ser Ser His Glu Asp				
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Pro Ile Tyr Ile Ser Cys Thr Ala Pro Gly Asp Ile Leu Gly Ala Asn				
35	40	45		
Phe Thr Leu Phe Arg Gly Gly Glu Val Val Gln Leu Leu Gln Ala Pro				
50	55	60		
Ser Asp Arg Pro Asp Val Thr Phe Asn Val Thr Gly Gly Ser Gly				
65	70	75	80	
Gly Gly Gly Glu Ala Ala Gly Gly Asn Phe Cys Cys Gln Tyr Gly Val				
85	90	95		
Met Gly Glu His Ser Gln Pro Gln Leu Ser Asp Phe Ser Gln Gln Val				
100	105	110		
Gln Val Ser Phe Pro Ala Lys Ala Lys Asn Leu Gln Lys Gln Arg Glu				

115	120	125	
Arg Glu Ser Cys Trp Ala Gln Ile Asn Phe Thr Asn Thr Asp Met Ser			
130	135	140	
Phe Asp Asn Ser Leu Phe Ala Ile Ser Thr Lys Met Thr Gln Glu Asp			
145	150	155	160
Ser Val Ala Thr Leu Asp Ser Gly Pro Arg Lys Arg Pro Thr Ser Ala			
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Ser Ser Ser Pro Glu Pro Pro Glu Phe Ser Thr Phe Arg Ala Cys Gln			
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1	5	10	15	
gca cca tcc atc cgg ctg gtg ccc ccg tac cca agc agc caa gag gac				96
Ala Pro Ser Ile Arg Leu Val Pro Pro Tyr Pro Ser Ser Gln Glu Asp				
20	25	30		
ccc atc cac atc gca tgc atg gcc cct ggg aac ttc ccg ggg gcg aat				144
Pro Ile His Ile Ala Cys Met Ala Pro Gly Asn Phe Pro Gly Ala Asn				
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ttc aca ctg tat cga ggg ggg cag gtg gtc cag ctc ctg cag gcc ccc	50	55	60	192
Phe Thr Leu Tyr Arg Gly Gly Gln Val Val Gln Leu Leu Gln Ala Pro				
acg gac cag cgc ggg gtg aca ttt aac ctg agc ggc ggc agc agc aag	65	70	75	240
Thr Asp Gln Arg Gly Val Thr Phe Asn Leu Ser Gly Gly Ser Ser Lys				
gct cca ggg gga ccc ttc cac tgc cag tat gga gtg tta ggt gag ctc	85	90	95	288
Ala Pro Gly Gly Pro Phe His Cys Gln Tyr Gly Val Leu Gly Glu Leu				
aac cag tcc cag ctg tca gac ctc agc gag ccc gtg aac gtc tcc ttc	100	105	110	336
Asn Gln Ser Gln Leu Ser Asp Leu Ser Glu Pro Val Asn Val Ser Phe				
cca gtg ccc act tgg atc ttg gtg ctc tcc ctg agc ctg gct ggt gcc	115	120	125	384
Pro Val Pro Thr Trp Ile Leu Val Leu Ser Leu Ser Leu Ala Gly Ala				
ctc ttc ctc ctt gct ggg ctg gtg gct gtt gcc ctg gtg gtc aga aaa	130	135	140	432
Leu Phe Leu Leu Ala Gly Leu Val Ala Val Ala Leu Val Val Arg Lys				
gtt aaa ctc aga aat tta cag aag aaa aga gat cga gaa tcc tgc tgg	145	150	155	480
Val Lys Leu Arg Asn Leu Gln Lys Lys Arg Asp Arg Glu Ser Cys Trp				
gcc cag att aac ttc gac agc aca gac atg tcc ttc gat aac tcc ctg	165	170	175	528
Ala Gln Ile Asn Phe Asp Ser Thr Asp Met Ser Phe Asp Asn Ser Leu				
ttt acc gtc tcc gcg aaa acg atg cca gaa gaa gac ccg gcc acc ttg	180	185	190	576
Phe Thr Val Ser Ala Lys Thr Met Pro Glu Glu Asp Pro Ala Thr Leu				

gat gat cac tca ggc acc act gcc acc ccc agc aac tcc agg acc cgg 624  
 Asp Asp His Ser Gly Thr Thr Ala Thr Pro Ser Asn Ser Arg Thr Arg  
 195 200 205

aag agg ccc act tcc acg tcc tcc tcg cct gag acc ccc gaa ttc agc 672  
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Pro Ile His Ile Ala Cys Met Ala Pro Gly Asn Phe Pro Gly Ala Asn  
 35 40 45

Phe Thr Leu Tyr Arg Gly Gly Gln Val Val Gln Leu Leu Gln Ala Pro  
 50 55 60

Thr Asp Gln Arg Gly Val Thr Phe Asn Leu Ser Gly Gly Ser Ser Lys  
 65 70 75 80

Ala Pro Gly Gly Pro Phe His Cys Gln Tyr Gly Val Leu Gly Glu Leu  
 85 90 95

Asn Gln Ser Gln Leu Ser Asp Leu Ser Glu Pro Val Asn Val Ser Phe  
100 105 110

Pro Val Pro Thr Trp Ile Leu Val Leu Ser Leu Ser Leu Ala Gly Ala  
115 120 125

Leu Phe Leu Leu Ala Gly Leu Val Ala Val Ala Leu Val Val Arg Lys  
130 135 140

Val Lys Leu Arg Asn Leu Gln Lys Lys Arg Asp Arg Glu Ser Cys Trp  
145 150 155 160

Ala Gln Ile Asn Phe Asp Ser Thr Asp Met Ser Phe Asp Asn Ser Leu  
165 170 175

Phe Thr Val Ser Ala Lys Thr Met Pro Glu Glu Asp Pro Ala Thr Leu  
180 185 190

Asp Asp His Ser Gly Thr Thr Ala Thr Pro Ser Asn Ser Arg Thr Arg  
195 200 205

Lys Arg Pro Thr Ser Thr Ser Ser Pro Glu Thr Pro Glu Phe Ser  
210 215 220

Thr Phe Arg Ala Cys Gln  
225 230